# Fall 2013 Levee Maintenance Deficiency Summary Report Overall LMA & Unit Ratings, including USACE Erosion Survey

## Sacramento River Basin

ST0012	Overall LMA	Total LMA Miles						
Sacramento Maintenance Yard Willow	Rating	12.46						
Slough Bypass	Α				l		Design 8	& System
Rated Item			nce Deficiancy			ement	Obsole	scence
rated item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee					2.12	l .	I	
Vegetation					0.13			
Encroachments					0.32			
Erosion / Bank Caving	0.02		0.02	0.16%				
Cracking							0.14	
Supplemental			l				T	
DWR UCIP Field Study					0.17	0.01		
LMA Totals:	0.02	0.00	0.02	0.16%	0.62	0.01	0.14	0.00
Unit No. 01 Willow Slough Bypass or North Levee LB	Overall Unit Rating	Total Unit Miles						
ST0012	Α	5.09						
5,00,2		Maintena	nce Deficiancy		Enforc	ement		k System
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %		U Miles	M Miles	U Miles
Earthen Levee								
Vegetation					0.13			
Encroachments					0.31			
Cracking							0.14	
Supplemental								
DWR UCIP Field Study					0.11	0.01		
Unit Totals:	0.00	0.00	0.00	0.00%	0.55	0.01	0.14	0.00
Unit No. 02 Willow Slough Bypass or South Levee RB	Overall Unit Rating	Total Unit Miles						
ST0012	A	7.37						
		Maintena	nce Deficiancy		Enforc	ement		k System scence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles		
Earthen Levee								
Encroachments					0.01			
Erosion / Bank Caving	0.02		0.02	0.27%				
Supplemental		1		l			·	
DWR UCIP Field Study					0.06			
	0.02	0.00	0.02	0.27%	0.07	0.00	0.00	0.00

## **LMA District Cover Sheet**

## Fall 2013 Levee Inspection Results

# Sacramento Maintenance Yard Willow Slough Bypass

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)							
* Overall LMA Rating (Fall Only)			A								
** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.											
* SPRING INSPECTIONS: Overall maintenance deficiencies are rated		nined for the spring ins ria in the spring and in		ual maintenance							
<u>FALL INSPECTIONS:</u> The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indiction of risk.											
Comments											

### **Unit Cover Sheet**

## Fall 2013 Levee Inspection Results

# Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.09

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			Α	
Date of Inspection	-		11/07/2013 - 11/07/2013	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Casey Lund Sacramento Maintenance Yard		Casey Lund Sacramento Maintenance Yard	

#### Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

### http://cdec.water.ca.gov/lma.html

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

## Levee Inspection Report By Mile - Fall 2013

# Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.09	11/07/2013 11/07/2013	John Williamson

LMR	Levee		Category	Item	Location	Rating	Action/Comment		de/Longitude	No.
1	Start	End	Earthen Levee	Operations & Maintenance Manuals		A Ma		Start  Output  DWR ID: DWR_S	End °	Ü
2			Earthen Levee	Emergency Supplies & Equipment	LS	A Ma		o o DWR ID: DWR_S	o o T0012_01_s _ 2013_	r
3			Earthen Levee	Flood Preparedness & Training	LS	A Ma		o o DWR ID: DWR_S	o o T0012_01_s _ 2013_	Ü
4	0.00	0.00	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:6118 EP_NO: 10130 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor debris blocking flap gate. Debris/log needs to be removed from the outlet. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee 18.0 feet below the crown, flap gate on waterward end. Originally included in O+M manual (1952). FS Date: 9/19/2012	38.590766 ° -121.665560 °	38.590766 ° -121.665560 °	Y
5	0.00	0.00	Supplemental	DWR UCIP Field Study	LS	U En	Inspector Comments: FS_ID:6101 EP_NO: 10130 Repair Type: Urgent Crossing Status: Found UCIP Comments: Minor debris blocking flap gate. Debris/log needs to be removed from the outlet. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through the levee 18.0 feet below the crown, flap gate on waterward end. Originally included in O+M manual (1952). FS Date: 9/19/2012	38.590766 ° -121.665558 °	38.590766 ° -121.665558 °	
6	0.02	0.15	Earthen Levee	Vegetation	CR	M En	V6 : Landscaping Inspector Comments: This is the treatment plant's landscaping and chain link fence.	38.590742 ° -121.665767 ° DWR ID: DWR_S		Υ
7	0.07	0.21	Earthen Levee	Cracking	WS	M Ob	CR1 : Monitor and have inspected by geotechnical engineer.	38.590724 ° -121.666749 ° DWR ID: DWR_S		Υ
8	0.67	5.04	Earthen Levee	Vegetation	WS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.590505 ° -121.677663 ° DWR ID: DWR_S		Υ
9	0.67	5.04	Earthen Levee	Vegetation	LS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.590502 ° -121.677667 ° DWR ID: DWR_S	38.600002 ° -121.752660 ° <sup>T0012</sup> _01_s _ 2012	Υ

\* Location LS: Land Side WS : Water Side CR : Crown Rating A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

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### **Flood Control Project Maintenance Levee Inspections**

## Levee Inspection Report By Mile - Fall 2013

# Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.09	11/07/2013 11/07/2013	John Williamson

					_				11/0//2010		13011
LMR No.	Levee	Mile End	Category	Item	Location *	Rating	Action/Comment		GPS Latitude	/Longitude	Issue No. Photo
10	1.13	1.13	Supplemental [	OWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:6120 EP_NO: 9253A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Damaged flap gate found in out on WS. FIELD_STRUCT_DESC: 24-inch C.M. drainpipe the levee, 18 feet below the crown. Flap gate on waterward end, 48-inch standpipe on the waterwashoulder. (App. No. 9253-A - Yolo County) FS Date: 9/19/2012	itlet pond through the	38.590340 ° .121.686070 ° -1		Y
111	2.02	2.02	Supplemental [	OWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:6142 EP_NO: 10307 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: The 48-inch concrete manhole damaged - top ring nocked off in waterside. Debr in waterside pipe. FIELD_STRUCT_DESC: 24-inch pipe through th 10.0 feet below the crown. Flap gate on the wate end. Concrete headwall on both ends. Slide gat inch manhole on WS slope. (A.B.O. No. 10307 - Beckman). 0&M manual 120, revision Dec 2010. FS Date: 9/19/2012	is found e levee, erward	38.590390 ° -1 -121.702470 ° -1		
12	2.02	2.02	Supplemental [	OWR UCIP Field Study	LS		Inspector Comments: FS_ID:6264 EP_NO: 10307 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: The 48-inch concrete manhole damaged - top ring knocked off in waterside. Det in waterside pipe. FIELD_STRUCT_DESC: 24-inch pipe through th 10.0 feet below the crown. Flap gate on the wate end. Concrete headwall on both ends. Slide gat inch manhole on WS slope. (A.B.O. No. 10307 - Beckman). 0&M manual 120, revision Dec 2010. FS Date: 9/19/2012	oris found e levee, erward	38.590390 ° -1 -121.702470 ° -1		Y

\* Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

## Levee Inspection Report By Mile - Fall 2013

# Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.09	11/07/2013 11/07/2013	John Williamson
Levee Mile Start End Category Item * To Represent the Comment Action/Comment Action/Comment			GPS Latitude/	Longitude Issue No. End Photo
2.02 2.02 Supplemental DWR UCIP Field Study  Signature Field Study  LS M Inspector Comments: FS_ID:13953 EP_NO: 10307 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: flap gate cleaned and repaired FIELD_STRUCT_DESC: 24-inch pipe thr 10.0 feet below the crown. Flap gate on end. Concrete headwall on both ends. Si inch manhole on WS slope. (A.B.O. No. Beckman).  O&M manual 120, revision Dec 2010. FS Date: 5/28/2013	rough the the wate Slide gate	e levee, erward	38.590390 ° 3.121.702470 ° -12	
14 2.02 2.02 Supplemental DWR UCIP Field Study  LS M Inspector Comments: FS_ID:6144 EP_NO: 9253A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs vegetation remo of the levee. FIELD_STRUCT_DESC: A 20-inch pipe: 30-inch pipe and angular space grouted, levee, 9.0 feet below the crown. Slide ga waterward slope in 48-inch standpipe. C on both ends. Flap gate in the waterward No. 9253-A - Yolo County) FS Date: 9/19/2012	sleeved , through ate on the concrete	andside through the e headwall	38.590390 ° 3 -121.702540 ° -12	8.590390 ° 16 1.702540 ° Y

15 2.93 2.93 Supplemental DWR UCIP Field Study LS M Inspector Comments: FS ID:6160 EP\_NO: 10311

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: Vegetation removal on landside of the

FIELD STRUCT DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. (A.B.O. No. 10311 - Ittner and Harlan).

O&M manual 120, revision Dec 2010.

FS Date: 9/19/2012

DWR ID: DWR ST0012 01 f 2013 17 38.590680 ° 38.590680 ° 18

-121.730720 ° -121.730720 °

38.590580 ° 38.590580 °

-121.719220 ° -121.719220 °

16 3.56 3.56 Supplemental DWR UCIP Field Study

Inspector Comments: FS ID:6165

EP\_NO: 10316

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Debris on waterside flap gate. Needs

debris removal from the pipe.

FIELD\_STRUCT\_DESC: 24-inch CM drainpipe through the levee, 11.0 feet below the crown. Flap gate on the waterward end. Waterside pipe sits on concrete saddle.

(A.B.O. No. 10316 - Stafford). O&M manual 120, revision Dec 2010.

FS Date: 9/19/2012

DWR ID: DWR\_ST0012\_01\_f \_ 2013\_18

Location LS: Land Side WS : Water Side CR : Crown Rating M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated Corrected : Acceptable but Monitor & Maintain + Issue Type

## Levee Inspection Report By Mile - Fall 2013

# **Sacramento Maintenance Yard Willow Slough Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.09	11/07/2013 11/07/2013	John Williamson
Levee Mile Category Item ** The Category Action/Comment			GPS Latitude	/Longitude   Issue   No.   Photo

E Levee Mile		ee Mile Category		Item	Location *	Rating	Action/Comment	GPS Latitu	de/Longitude	Issue No.				
No.	Start	End	Calegory	Category	Calegory	Calegory	Category	пеш	tion	ng +	Action/Comment	Start	End	Photo
17	4.32	4.32	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13968 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: PG&E may provide further info FIELD_STRUCT_DESC: 8-inch gas main pipeline through both levees.(PG&E). O&M manual 120, revision Dec 2010. FS Date: 5/28/2013 2:36:00 PM	38.598840 ° -121.739600 °		19				
								DWR ID: DWR_S	ST0012_01_f _ 2013_	19				

18	4.32	4.63	Earthen Levee	Encroachments	LS	M En	DT : Ditch		38.599845 ° -121.745007 ° st0012_01_s _ 2012_4	4 Y
19	5.00	5.00	Supplemental	DWB HCIB	18	NA	Inspector Comments: FS ID:13060	38 599940 °	38 500040 °	20

En EP\_NO: 15811

Repair Type: Non-Urgent Crossing Status: Not Found **UCIP Comments:** FIELD\_STRUCT\_DESC: Replace existing 4-inch diameter natural gas pipeline with an 8-inch diameter natural gas pipeline under the channel and within both banks of Willow Slough. Application No. 15811.

FS Date: 5/28/2013 2:38:30 PM DWR ID: DWR\_ST0012\_01\_f \_ 2013\_20

20 5.09 5.09 Supplemental DWR UCIP LS M Inspector Comments: FS\_ID:13967 Field Study EP\_NO: 15811 Repair Type: Non-Urgent Crossing Status: Not Found **UCIP** Comments:

Field Study

FIELD\_STRUCT\_DESC: Replace existing 4-inch diameter natural gas pipeline with an 8-inch diameter natural gas pipeline under the channel and within both banks of Willow Slough. Application No. 15811.

FS Date: 9/19/2012

DWR ID: DWR\_ST0012\_01\_f \_ 2013\_21

38.599940° 38.599940° 21

-121.753530 ° -121.753530 °

-121.753530 ° -121.753530 °

Location LS: Land Side WS : Water Side CR : Crown

Rating

N : Not Inspected/Rated M : Minimally Acceptable C : Corrected A/W : Acceptable but Monitor & Maintain U : Unacceptable

## Levee Inspection Report By Mile - Fall 2013

# Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.09	11/07/2013 11/07/2013	John Williamson

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study
Waterside view- pipe view	w from levee crown.
UCIP_2734.jpg	

Levee Mile Report Line	6
Start Levee Mile	0.02
End Levee Mile	0.15
Location	Crown
Category	Earthen Levee
Item	Vegetation

The treatment plant's landscape and fence. This runs along the crown and toe of the levee.

johngw\_f\_20131021\_817.jpg

Levee Mile Report Line	6
Start Levee Mile	0.02
End Levee Mile	0.15
Location	Crown
Category	Earthen Levee
Item	Vegetation
Photo taken spring 2012 landscaping.	the treatment plants







\* Location

LS: Land Side

WS: Water Side

CR: Crown

johngw\_f\_20131021\_818.jpg

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

## Levee Inspection Report By Mile - Fall 2013

# Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.09	11/07/2013 11/07/2013	John Williamson

Levee Mile Report Line	7
	•
Start Levee Mile	0.07
End Levee Mile	0.21
Location	Water Side
Category	Earthen Levee
Item	Cracking
There is still cracking slo	ughing on the waterside

crown. Attempts to fill in the cracks all along the roadway have been done.

johngw\_f\_20131021\_825.jpg

Levee Mile Report Line	8
Start Levee Mile	0.67
End Levee Mile	5.04
Location	Water Side
Category	Earthen Levee
Item	Vegetation

The levee has no unwanted vegetation on the slope. Fall 2013

johngw\_f\_20131112\_316.JPG

The levee has no unwanted vegetation on the slope. Fall 2013

johngw\_f\_20131112\_315.JPG







Location LS: Land Side WS : Water Side CR : Crown

M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated : Corrected : Acceptable but Monitor & Maintain + Issue Type

## Levee Inspection Report By Mile - Fall 2013

# Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.09	11/07/2013 11/07/2013	John Williamson

Levee Mile Report Line	10
Start Levee Mile	
End Levee Mile	
	Land Side
	Supplemental
Item	DWR UCIP Field Study
Waterside overview	

UCIP\_2737.jpg

Levee Mile Report Line	12
Start Levee Mile	2.02
End Levee Mile	2.02
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
Landalda viavo aananata	naine a med be and conti

Landside view- concrete pipe and headwall.

UCIP_2774.jpg
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Levee Mile Report Line	14					
Start Levee Mile	2.02					
End Levee Mile	2.02					
Location	Land Side					
Category	Supplemental					
Item	DWR UCIP Field Study					
Waterside view- nine was working during field						

survey. Pipe and flap gate.

UCIP\_2749.jpg







M : Minimally Acceptable U : Unacceptable

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+ Issue Type

## Levee Inspection Report By Mile - Fall 2013

# Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.09	11/07/2013 11/07/2013	John Williamson

Levee Mile Report Line	15					
Start Levee Mile	2.93					
End Levee Mile	2.93					
Location	Land Side					
Category	Supplemental					
Item	DWR UCIP Field Study					
Landside view- inlet structure						
UCIP_2755.jpg						

16
3.56
3.56
Land Side
Supplemental
DWR UCIP Field Study

Waterside view- overview

UCIP_2760.jpg
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Levee Mile Report Line	10					
· ·						
Start Levee Mile	4.32					
End Levee Mile	4.63					
Location	Land Side					
Category	Earthen Levee					
Item	Encroachments					
The agricultural ditch runs along the toe of the levee. Fall 2011						

johngw\_f\_20131021\_820.jpg







N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monite : Corrected : Acceptable but Monitor & Maintain

+ Issue Type

## **Unit Cover Sheet**

## Fall 2013 Levee Inspection Results

# Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.37

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			Α	
Date of Inspection	-		11/07/2013 - 11/07/2013	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Casey Lund Sacramento Maintenance Yard		Casey Lund Sacramento Maintenance Yard	

#### Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

### http://cdec.water.ca.gov/lma.html

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

## Levee Inspection Report By Mile - Fall 2013

# Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.37	11/07/2013 11/07/2013	John Williamson

			<b>O</b> 1 1 10. 1		9 5	ypt	200 01 00411 20 000			11/07/2013	william	son
LMR No.	Levee	Mile End	Category	Item	Location	Rating ** +	Action/Comment			GPS Latitude/	Longitude End	Issue No.
1	0.00		Supplementa	DWR UCIP Field Study	WS		indicators on levee FIELD_STRUCT_DESC: Replace existin natural gas pipeline with an 8-inch diame	_NO: 15811  pair Type: Non-Urgent  pasing Status: Not Found  CIP Comments: Need to contact owner of pipe to place licators on levee  ELD_STRUCT_DESC: Replace existing 4-inch diameter tural gas pipeline with an 8-inch diameter natural gas beline under the channel and within both banks of llow Slough. Application No. 15811.			38.599100 ° 21.753260 °	154
2	0.02	7.37	Earthen Levee	Vegetation	WS	A Ma	V1 : Control annual grass and weeds on and easements.	the levee		38.599135 ° ; -121.752906 ° -12	38.574631 ° 21.638929 °	4 Y
3	0.02	7.37	Earthen Levee	Vegetation	LS	A Ma	V1 : Control annual grass and weeds on and easements.	the levee		38.599135 ° : -121.752906 ° -1: DWR ID: DWR_ST00		6 Y _6
4	0.17	0.17	Earthen Levee	Encroachments	LS	M En	DE : Debris			38.599062 ° ; -121.750156 ° -12 DWR ID: DWR_ST00	21.750156°	Υ
5	0.77	0.77	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:6181 EP_NO: 10327 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flap gate is not proper FIELD_STRUCT_DESC: 24-inch CM dra the levee, 17.5 feet below the crown. Flap waterward slope. (A.B.O. No. 10327 - He O&M manual 120, revision Dec 2010. FS Date: 9/20/2012	inpipe the p gate or	]. rough	38.597813° ; -121.739636° -1;	38.597813° 21.739636°	
_										DWR ID: DWR_ST00	12_02_f _ 2013_	155
6	1.71	1.71	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E1 : Note and monitor erosion site.			38.589966 ° ; -121.727072 ° -12 DWR ID: DWR_ST00	21.727072°	8 Y _8
7	1.86	1.86	Earthen Levee	Encroachments	WS	A En	PI : Pipe			38.589923 ° ; -121.724187 ° -1; DWR ID: DWR_ST00		
8	1.86	1.86	Earthen Levee	Erosion / Bank Caving	WS	C Ma	E1: Note and monitor erosion site. Inspector Comments: The owner of the ptwo pipes in the channel. This is to pond irrigation. It is possible that this started thank.	the wate	r for	38.589922 °	21.724185°	
9	1.97	1.97	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E1 : Note and monitor erosion site.			38.589906 ° ; -121.722218 ° -1; DWR ID: DWR_ST00		5 Y _5

Location					
LS : Land Side					
WS : Water Side					
CR : Crown					

Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

## Levee Inspection Report By Mile - Fall 2013

# Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.37	11/07/2013 11/07/2013	John Williamson

LMR	Levee	Mile	Category	Item	Location	Rating ** +	Action/Comment	GPS Latitude	Longitude	Issue No.
No.	Start	End	Category	пеш	tion	+ Pon	Action/Comment	Start	End	Photo
10	2.66	2.66	Earthen Levee	Erosion / Bank Caving	WS	C Ma	E1 : Note and monitor erosion site. Inspector Comments: The erosion is starting to encroach into the toe road.	-121.709456 ° -12		
								DWR ID: DWR_ST00	12_02_s _ 2012_	_9
11	2.90	2.90	Earthen Levee	Erosion / Bank Caving	WS		E1: Note and monitor erosion site. Inspector Comments: The site has a discharge pipe and has begun eroding around the pipe. It is also eroding into the toe road.	38.589707 ° : -121.705044 ° -12		10
								DWR ID: DWR_ST00	12_02_s _ 2012_	_10
12	3.56	3.56	Earthen Levee	Encroachments	LS	A En	BU : Building Inspector Comments: Control structure for Davis Drain, block building.	38.589657 ° : -121.692850 ° -12	38.589657° 21.692850°	2 Y
								DWR ID: DWR_ST00	12_02_s _ 2012_	_2
13	4.23	4.23	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:6193 EP_NO: 10334 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: May need video inspection as seen rodent activities on headwall. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 13.5 feet below the crown. Flap gate on the waterward end. (A.B.O. No. 10334 - Rhinehart). O&M manual 120, revision Dec 2010. FS Date: 9/20/2012	38.589530° : -121.680560° -1		156
								DWR ID: DWR_ST00	12_02_f _ 2013_	156
14	4.23	4.23	Supplementa	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13876 EP_NO: 10334 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Rodent activities on headwall is far from the levee. Inlet is across city of davis drainage ditch Inlet was cleaned last fall. see picture FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 13.5 feet below the crown. Flap gate on the waterward end. (A.B.O. No. 10334 - Rhinehart). O&M manual 120, revision Dec 2010. FS Date: 5/24/2013	-121.680560 ° -1:	38.589530 ° 21.680560 °	157
								DWR ID: DWR_ST00	12_02_f _ 2013_	157
15	4.53	4.53	Supplementa	I DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:6194 EP_NO: 10319 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Soil and debris on inlet mouth. FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 15.0 feet below the crown. Flap gate on the waterward end. (A.B.O. No. 10319 - Bell). O&M manual 120, revision Dec 2010. FS Date: 9/20/2012	38.589575°: -121.674950°-12		

\* Location

LS: Land Side

WS: Water Side

CR: Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

## Levee Inspection Report By Mile - Fall 2013

# Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.37	11/07/2013 11/07/2013	John Williamson

					٠.				11/01/2010	vviiiiaiii	
Z	ee Mile	Category	Item ** Action/Comment		* tation/Comment		le/Longitude	No.			
Start	End	Category	item	tion	+ Action/Comment		Start	End	Photo		
16 4.5	3 4.53	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:13877 EP_NO: 10319 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Material removed from Outlet cleared FIELD_STRUCT_DESC: 24-inch CM dra the levee, 15.0 feet below the crown. Fla waterward end. (A.B.O. No. 10319 - Bel O&M manual 120, revision Dec 2010. FS Date: 5/24/2013	ainpipe tl ap gate o	st fall. nrough		38.589575 ° -121.674950 °	Y
									DWR ID: DWR_S	T0012_02_f _ 2013_	_159

## Levee Inspection Report By Mile - Fall 2013

# Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.37	11/07/2013 11/07/2013	John Williamson

Levee Mile Report Line	2
Start Levee Mile	0.02
End Levee Mile	7.37
Location	Water Side
Category	Earthen Levee
Item	Vegetation
The levee has no unwant slope. Fall 2013	ted vegetation on the

johngw\_f\_20131112\_317.JPG

3
0.02
7.37
Land Side
Earthen Levee
Vegetation

The levee has no unwanted vegetation on the slope. Fall 2013

johngw\_f\_20131112\_318.JPG

Levee Mile Report Line	4
Start Levee Mile	0.17
End Levee Mile	0.17
Location	Land Side
Category	Earthen Levee
Item	Encroachments

There is some debris pipe and concrete on the levee slope. Fall 2013

johngw\_f\_20131112\_319.JPG







Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated : Corrected : Acceptable but Monitor & Maintain

+ Issue Type

## Levee Inspection Report By Mile - Fall 2013

# Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.37	11/07/2013 11/07/2013	John Williamson

Levee Mile Report Line	5
Start Levee Mile	0.77
End Levee Mile	0.77
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study
Waterside view- CM pipe	and flap gate.
UCIP_2777.jpg	

Levee Mile Report Line	6					
Start Levee Mile	1.71					
End Levee Mile	1.71					
Location	Water Side					
Category	Earthen Levee					
Item	Erosion / Bank Caving					
Francisco and the orders of the observed Fell 2012						

Erosion on the edge of the channel. Fall 2012

Johngw_f_20131021_832.jpg	
Levee Mile Report Line	7
Start Levee Mile	1.86
End Levee Mile	1.86
Location	Water Side
Category	Earthen Levee
Item	Encroachments
A pipe crossing thru the road. Fall 2011	evee and blocking toe







johngw\_f\_20131021\_826.jpg

M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monite : Corrected : Acceptable but Monitor & Maintain

+ Issue Type

## Levee Inspection Report By Mile - Fall 2013

# Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.37	11/07/2013 11/07/2013	John Williamson

Levee Mile Report Line	9			
Start Levee Mile	1.97			
End Levee Mile	1.97			
Location	Water Side			
Category	Earthen Levee			
Item	Erosion / Bank Caving			
Erosion on the edge of the channel. Fall 2012.				

jo	hng	w_f	_201	3102	21_8	30.jpg	J

Levee Mile Report Line	12
Start Levee Mile	3.56
End Levee Mile	3.56
Location	Land Side
Category	Earthen Levee
Item	Encroachments

A control structure is placed on top of the levee. Fall 2011

johngw\_f\_20131021\_827.jpg

Levee Mile Report Line	16			
Start Levee Mile	4.53			
End Levee Mile	4.53			
Location	Land Side			
Category	Supplemental			
Item	DWR UCIP Field Study			
Waterside view- pipe and flap gate.				

UCIP\_7471.jpg







Location LS: Land Side WS : Water Side CR : Crown

M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monite : Corrected : Acceptable but Monitor & Maintain

+ Issue Type